

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 3 | signature.cfm. AND signal.cfm. AND embedding.cfm. AND portion.cfm. AND frame.cfm. AND ("726".clas. "713".clas. "380".clas. "725".clas.) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2009/08/05 13:13 |
| L2 | 1 | sequential.cfm. AND signature.cfm. AND signal.cfm. AND embedding.cfm. AND portion.cfm. AND frame.cfm. AND ("726".clas. "713".clas. "380".clas. "725".clas.) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2009/08/05 13:14 |
| L3 | 1 | audio-visual.cfm. AND signature.cfm. AND signal.cfm. AND embedding.cfm. AND portion.cfm. AND frame.cfm. AND ("726".clas. "713".clas. "380".clas. "725".clas.) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2009/08/05 13:14 |
| L4 | 1 | memory.cfm. AND signature.cfm. AND signal.cfm. AND embedding.cfm. AND portion.cfm. AND frame.cfm. AND ("726".clas. "713".clas. "380".clas. "725".clas.) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2009/08/05 13:14 |
| S4 | 178 | 713/176.ccls. audio video signal signature position | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2006/12/15 13:16 |
| S8 | 400 | 713/176.ccls. digital watermark signature | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2006/11/29 09:52 |
| S9 | 318 | 713/176.ccls. digital watermark signature signal | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2006/11/29 09:52 |
| S10 | 248 | 713/176.ccls. digital watermark signature signal audio video | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2006/12/14 14:15 |

EAST Search History (Prior Art)

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| S11 | 9 | 713/176.ccls. digital watermark signature signal audio video embed\$ interlac\$ | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2006/11/29 09:53 |
| S12 | 232 | 713/176.ccls. digital watermark signature signal audio video (embed\$ or interlac\$) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2006/11/29 09:53 |
| S13 | 197 | S12 AND (@pd< "20020624" or @ad< "20020624" or @prad< "20020624" or @rlad< "20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/14 14:21 |
| S23 | 20 | digital signal AND signature AND watermark AND embed\$ AND horizontal AND vertical AND \$interlace\$1 AND (@pd< "20020624" or @ad< "20020624" or @prad< "20020624" or @rlad< "20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/14 16:03 |
| S24 | 2 | "4238849".pn. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/14 15:47 |
| S25 | 27 | signal AND signature AND watermark AND embed\$ AND horizontal AND vertical AND \$interlace\$1 AND (@pd< "20020624" or @ad< "20020624" or @prad< "20020624" or @rlad< "20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/14 16:03 |
| S26 | 36 | signature AND watermark AND embed\$ AND \$interlace\$ AND repeat\$ AND horizontal (@pd< "20020624" or @ad< "20020624" or @prad< "20020624" or @rlad< "20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/14 16:27 |
| S27 | 27 | signature AND watermark AND embed\$ AND \$interlace\$ AND repeat\$ AND horizontal AND vertical AND (@pd< "20020624" or @ad< "20020624" or @prad< "20020624" or @rlad< "20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/14 16:27 |

EAST Search History (Prior Art)

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| S28 | 2130 | 713/176.ccls. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/14 16:28 |
| S29 | 1604 | 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/14 16:29 |
| S31 | 346 | signature AND watermark AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/14 16:29 |
| S32 | 297 | embed\$ AND signature AND watermark AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/14 16:29 |
| S33 | 242 | signal AND embed\$ AND signature AND watermark AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/14 16:29 |
| S34 | 48 | stenography AND signal AND embed\$ AND signature AND watermark AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/14 16:39 |
| S35 | 49 | stenography AND (signal OR digital signal) AND embed\$ AND signature\$ AND watermark\$ AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/14 16:46 |
| S36 | 7 | stenography AND (signal OR digital signal) AND embed\$ AND signature\$ AND watermark\$ AND horizontal AND vertical AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/14 16:48 |

EAST Search History (Prior Art)

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| S37 | 49 | stenography AND (signal OR digital signal) AND embed\$ AND signature\$ AND (fingerprint\$ OR watermark\$) AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/14 16:49 |
| S38 | 10 | stenography AND electronic rights management AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/14 16:54 |
| S39 | 7 | stenography AND electronic rights management AND embed\$ AND signal AND (fingerprint\$ OR watermark\$) AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/15 12:34 |
| S40 | 1 | stenography AND (data rights management OR DRM) AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/15 12:37 |
| S41 | 4 | stenography AND (digital signing) AND watermark\$ AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/15 13:38 |
| S42 | 744 | (digital watermark\$ OR digital signing OR digital signature) AND embed\$ AND (digital signal OR audio video signal OR electronic signal OR data signal) AND horizontal AND vertical AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/15 12:49 |
| S43 | 305 | forming AND (digital watermark\$ OR digital signing OR digital signature) AND embed\$ AND (digital signal OR audio video signal OR electronic signal OR data signal) AND horizontal AND vertical AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/15 13:11 |
| S44 | 1 | forming (digital watermark\$ OR digital signing OR digital signature) AND embed\$ AND (digital signal OR audio video signal OR electronic signal OR data signal) AND horizontal AND vertical AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/15 12:49 |

EAST Search History (Prior Art)

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| S45 | 27 | lines AND interlac\$4 AND form\$3 AND (digital watermark\$ OR digital signing OR digital signature) AND embed\$ AND (digital signal OR audio video signal OR electronic signal OR data signal) AND horizontal AND vertical AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/15 13:13 |
| S46 | 37 | watermark audio video signal signature horizontal vertical AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2006/12/15 13:20 |
| S47 | 11 | embedding forming watermark audio video signal signature horizontal vertical AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2006/12/15 13:21 |
| S48 | 9 | stenography AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2006/12/15 14:56 |
| S49 | 2 | "5822432".pn. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/15 13:38 |
| S50 | 7 | real time stenography AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2006/12/15 14:57 |
| S51 | 3 | (real near time) AND stenography AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2006/12/15 15:15 |
| S52 | 1 | (real\$time) AND stenography AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2006/12/15 15:16 |

EAST Search History (Prior Art)

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| S53 | 192 | (real\$time) AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2006/12/15 15:16 |
| S54 | 78 | (real\$time) AND digital rights management AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2006/12/15 15:28 |
| S55 | 99 | (real\$time) AND watermark AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2006/12/15 15:28 |
| S56 | 2 | "wo-9811492-A1".did. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/15 16:06 |
| S57 | 1 | pct/us97/16237.ptan. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/15 16:11 |
| S59 | 2 | "5822432".pn. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/18 09:33 |
| S60 | 1604 | 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/18 10:40 |
| S61 | 1820 | 382/100.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2006/12/18 10:40 |

EAST Search History (Prior Art)

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| S62 | 584287 | (roberts.in. klijn.in. schirris.in.) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/12 14:04 |
| S63 | 218 | (roberts.in. klijn.in. schirris.in.) AND portion AND frame AND signal AND audio-visual | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/12 14:04 |
| S64 | 40 | (roberts.in. klijn.in. schirris.in.) AND portion AND frame AND signal AND audio-visual AND signature | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/12 14:04 |
| S65 | 22 | (roberts.in. klijn.in. schirris.in.) AND portion AND frame AND signal AND audio-visual AND signature AND reduced AND memory | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/12 14:05 |
| S66 | 19 | (roberts.in. klijn.in. schirris.in.) AND portion AND frame AND signal AND audio-visual AND signature AND reduced AND memory AND embedded | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/12 14:05 |
| S67 | 8 | (roberts.in. klijn.in. schirris.in.) AND portion AND frame AND signal AND audio-visual AND signature AND reduced AND memory AND embedded AND slice | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/12 14:05 |
| S68 | 12 | slice AND portion AND frame AND (watermark signature) AND 713/176.ccls. AND (@pd< "20020624" or @ad< "20020624" or @prad< "20020624" or @rlad< "20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2009/04/12 14:07 |
| S69 | 319 | block AND (slice portion) AND frame AND (watermark signature) AND 713/176.ccls. AND (@pd< "20020624" or @ad< "20020624" or @prad< "20020624" or @rlad< "20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2009/04/12 14:08 |

EAST Search History (Prior Art)

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| S70 | 208 | memory AND (audio video visual (audio NEAR (visual video))) AND signal AND block AND (slice portion) AND frame AND (watermark signature) AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2009/04/12 14:09 |
| S71 | 182 | reduc\$3 AND memory AND (audio video visual (audio NEAR (visual video))) AND signal AND block AND (slice portion) AND frame AND (watermark signature) AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2009/04/12 14:09 |
| S72 | 177 | embed\$4 AND (low\$2 reduc\$3 less\$5) AND memory AND (audio video visual (audio NEAR (visual video))) AND signal AND block AND (slice portion) AND frame AND (watermark signature) AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2009/04/12 14:10 |
| S73 | 4 | "5907619".pn. "6009176".pn. | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/12 14:12 |
| S74 | 321 | embed\$4 AND (low\$2 reduc\$3 less\$5) AND memory AND (audio video visual (audio NEAR (visual video))) AND signal AND block AND (slice portion) AND frame AND (watermark signature) AND (726/2, 16,22,26,27.ccls. 713/176-181,187.ccls. 380/200,201,203,59.ccls. 725/25,29.ccls.) AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2009/08/05 12:46 |
| S75 | 349 | reduc\$3 AND memory AND (audio video visual (audio NEAR (visual video))) AND signal AND block AND (slice portion) AND frame AND (watermark signature) AND (726/2,16,22,26,27.ccls. 713/176-181,187.ccls. 380/200,201,203,59.ccls. 725/25,29.ccls.) AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2009/08/05 12:46 |
| S76 | 664 | block AND (slice portion) AND frame AND (watermark signature) AND (726/2,16,22,26,27.ccls. 713/176-181,187.ccls. 380/200,201,203,59.ccls. 725/25,29.ccls.) AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2009/08/05 12:47 |

EAST Search History (Prior Art)

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| S77 | 57 | slice AND portion AND frame AND (watermark signature) AND (726/2,16,22, 26,27.ccls. 713/176-181,187.ccls. 380/200,201,203,59.ccls. 725/25,29.ccls.) AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2009/08/05 12:47 |
| S78 | 423 | (roberts.in. kljn.in. schirris.in.) AND (726/2,16,22,26,27.ccls. 713/176-181,187.ccls. 380/200,201,203,59.ccls. 725/25, 29.ccls.) AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2009/08/05 12:47 |
| S79 | 700 | (roberts.in. kljn.in. schirris.in.) AND (726/2,16,22,26,27.ccls. 713/176-181,187.ccls. 380/200,201,203,59.ccls. 725/25, 29.ccls.) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2009/08/05 12:47 |
| S80 | 4 | portion AND frame AND signal AND audio-visual AND signature AND (roberts.in. kljn.in. schirris.in.) AND (726/2,16,22, 26,27.ccls. 713/176-181,187.ccls. 380/200,201,203,59.ccls. 725/25,29.ccls.) | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2009/08/05 12:48 |
| S81 | 9 | lines AND interlac\$4 AND form\$3 AND (digital watermark\$ OR digital signing OR digital signature) AND embed\$ AND (digital signal OR audio video signal OR electronic signal OR data signal) AND horizontal AND vertical AND (726/2,16,22,26,27.ccls. 713/176-181,187.ccls. 380/200,201,203, 59.ccls. 725/25,29.ccls.) AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2009/08/05 12:49 |
| S82 | 4 | digital signal AND signature AND watermark AND embed\$ AND horizontal AND vertical AND \$interlace\$1 AND (726/2,16,22,26,27.ccls. 713/176-181,187.ccls. 380/200,201, 203,59.ccls. 725/25,29.ccls.) AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | AND | ON | 2009/08/05 12:49 |